

AMENDMENTS

IN THE CLAIMS:

Please amend claim 1 and 2 as indicated below. The following is a complete listing of claims and replaces all prior versions and listings of claims in the present application:

1. (currently amended) A heat insulating and fire resistant composite material ~~comprising~~ consisting essentially of:

(a) a first layer which comprises a surfactant component, surfactant-generated microcells, a filler component and a binder component; and

(b) a second layer comprising a metallic component adhered to the first layer.

2. (currently amended) A heat insulating and fire resistant composite material comprising:

(a) a substrate;

(b) a first layer adhered to the substrate to provide a coated substrate, said first layer comprising a surfactant component, surfactant-generated microcells, a filler component comprising clay and a binder component, wherein said binder bonds the filler material together and to the substrate and wherein said first layer does not bleed through the substrate; and

(c) a second layer comprising a metallic component adhered to the coated substrate.

3. (original) The composite material according to claim 2 wherein said substrate is planar and said first layer is adhered to one side of the substrate.

4. (original) The composite material according to claim 2 wherein said substrate is planar and said first layer is adhered to both sides of the substrate.

5. (original) The composite material according to claims 3 or 4 wherein said second layer is adhered to one side of said coated substrate.
6. (original) The composite material according to claims 3 or 4 wherein said second layer is adhered to both sides of said coated substrate.
7. (original) The composite material of claim 1, wherein said first layer is planar and the second layer is adhered to one side of the first layer.
8. (original) The composite material of claim 1, wherein said first layer is planar and the second layer is adhered to both sides of the first layer.
9. (original) The composite material according to claims 1 or 2 wherein said composite material further includes a water repellent material.
10. (original) The composite material according to claims 1 or 2 wherein said composite material further includes an antifungal material.
11. (original) The composite material according to claims 1 or 2 wherein said composite material further includes an antibacterial material.
12. (original) The composite material according to claims 1 or 2 wherein said composite structural material further includes a surface friction agent.
13. (original) The composite material according to claims 1 or 2 wherein said composite structural material further includes a flame retardant material.
14. (original) The composite material according to claims 1 or 2 wherein said composite material further includes an algacide.

15. (original) The composite material according to claims 1 or 2 wherein said first layer is colored with dye.

16. (original) The composite material according to claims 1 or 2 wherein the filler component comprises clay.

17. (original) The composite material according to claims 1 or 2 wherein the surfactant component is a fast soap.

18. (original) The composite material according to claims 1 or 2 wherein the surfactant component forms surfactant-generated microcells.

19. (original) The composite material according to claims 1 or 2 wherein the binder component is SBR latex.

20. (original) The composite material according to claim 1 or 2 wherein the metallic component is selected from the group consisting of aluminum or stainless steel

21. (original) The composite material according to claim 20, wherein the metallic component is aluminum foil.